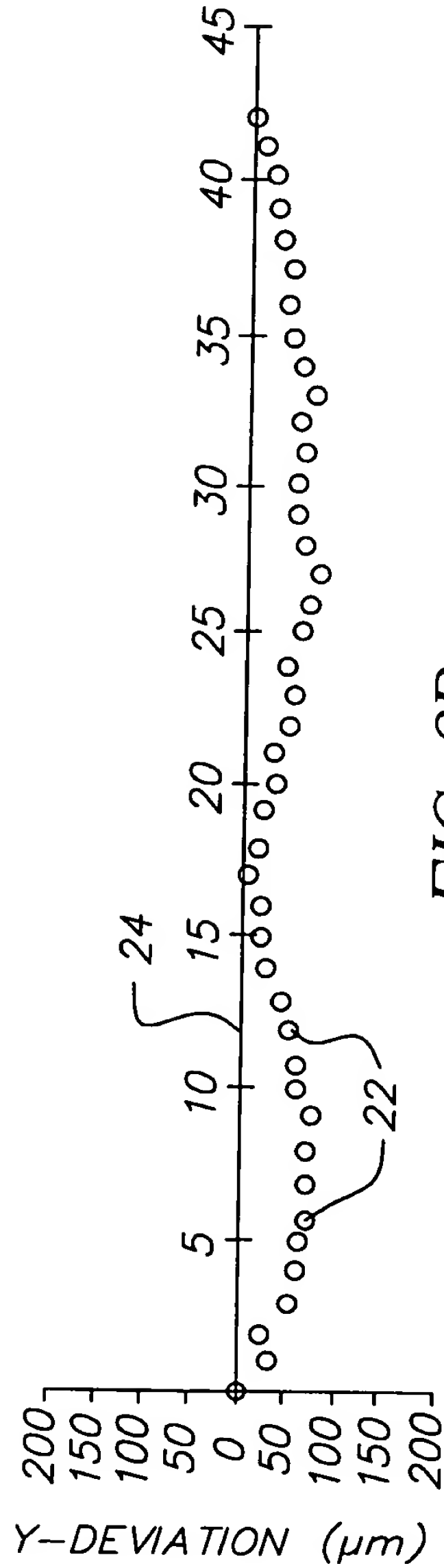
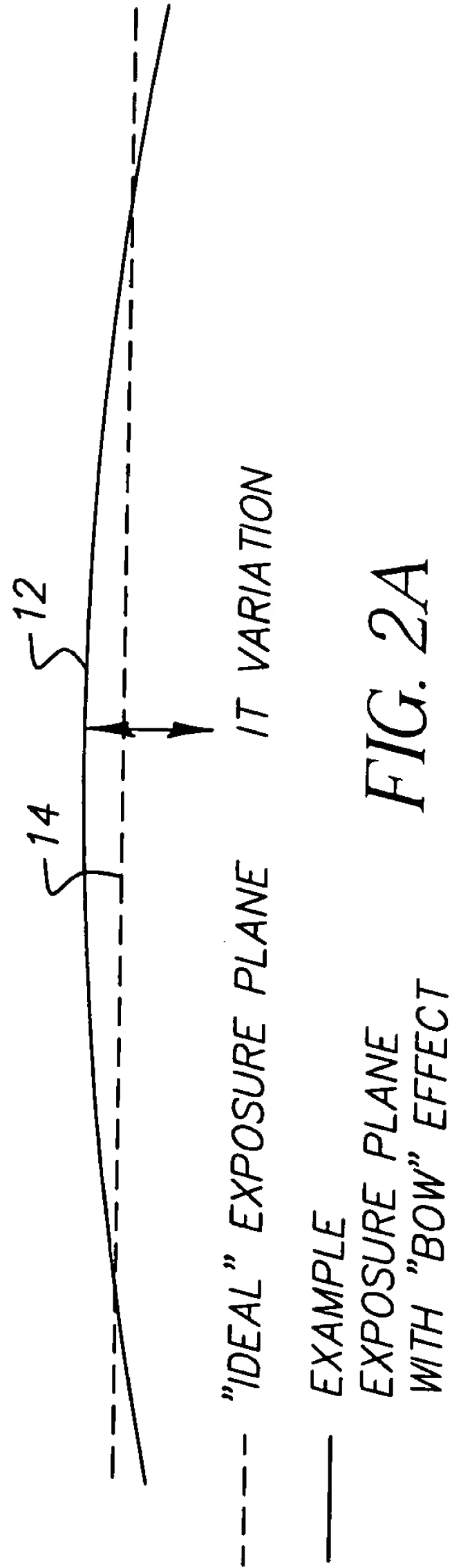


FIG. 1

(PRIOR ART)



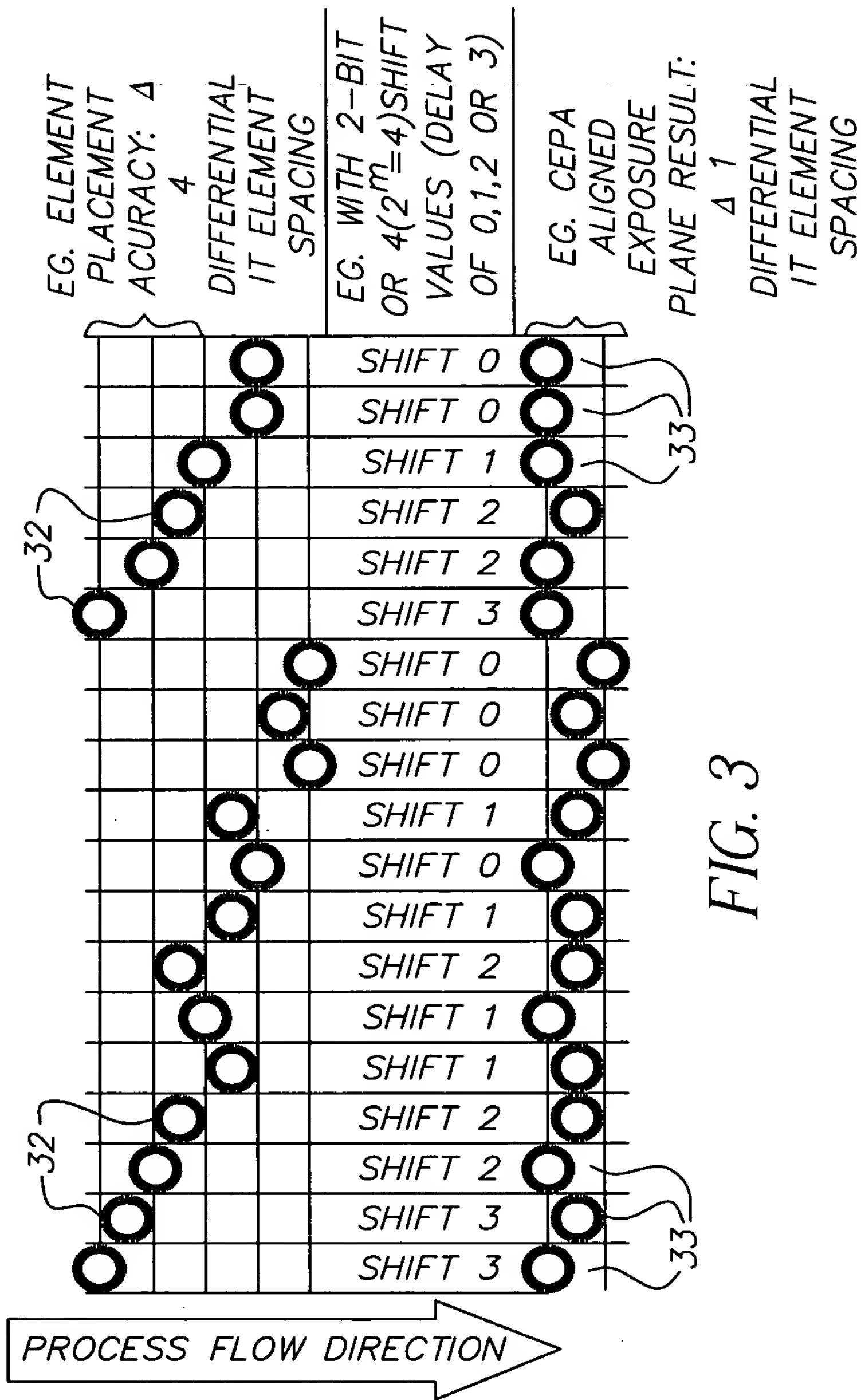


FIG. 3

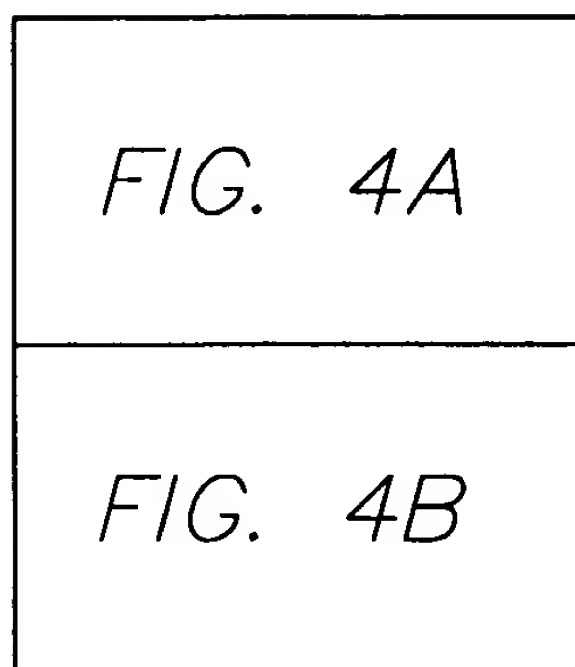


FIG. 4

ELEMENT S	A1	B1	C1	D1	E1	F1	G1	H1	I1	J1	K1	L1	M1	N1	O1	P1	Q1	R1	S1	IMAGE DATA LINE 1
ELEMENT R	A2	B2	C2	D2	E2	F2	G2	H2	I2	J2	K2	L2	M2	N2	O2	P2	Q2	R2	S2	IMAGE DATA LINE 2
ELEMENT Q	A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3	L3	M3	N3	O3	P3	Q3	R3	S3	IMAGE DATA LINE 3
ELEMENT P	A4	B4	C4	D4	E4	F4	G4	H4	I4	J4	K4	L4	M4	N4	O4	P4	Q4	R4	S4	IMAGE DATA LINE 4
ELEMENT O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT K	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT J	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT I	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT G	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT E	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ELEMENT A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	IMAGE DATA LINE 49
	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	IMAGE DATA LINE 50

	3	3	3	2	3	2	2	1	0	1	2	1	0	3	3	2	2	1	0	CEPA VALUE REGISTER

EG. 50 IT LINE IMAGE

EG. 2-BIT CEPA
 $(m=2)$ #STEPS= 2^m
 #STEPS=4

FIG. 4A

1. The first step is to identify the problem. This involves understanding the situation and the goals that need to be achieved.

[illegible]

EG. CEPA OUTPUT IT LENGTH $+(2^m - 1)$ 50 + 3 = 53 53 IT LINE IMAGE

FIG. 4B

FIG. 5A	FIG. 5B
FIG. 5C	FIG. 5D

FIG. 5

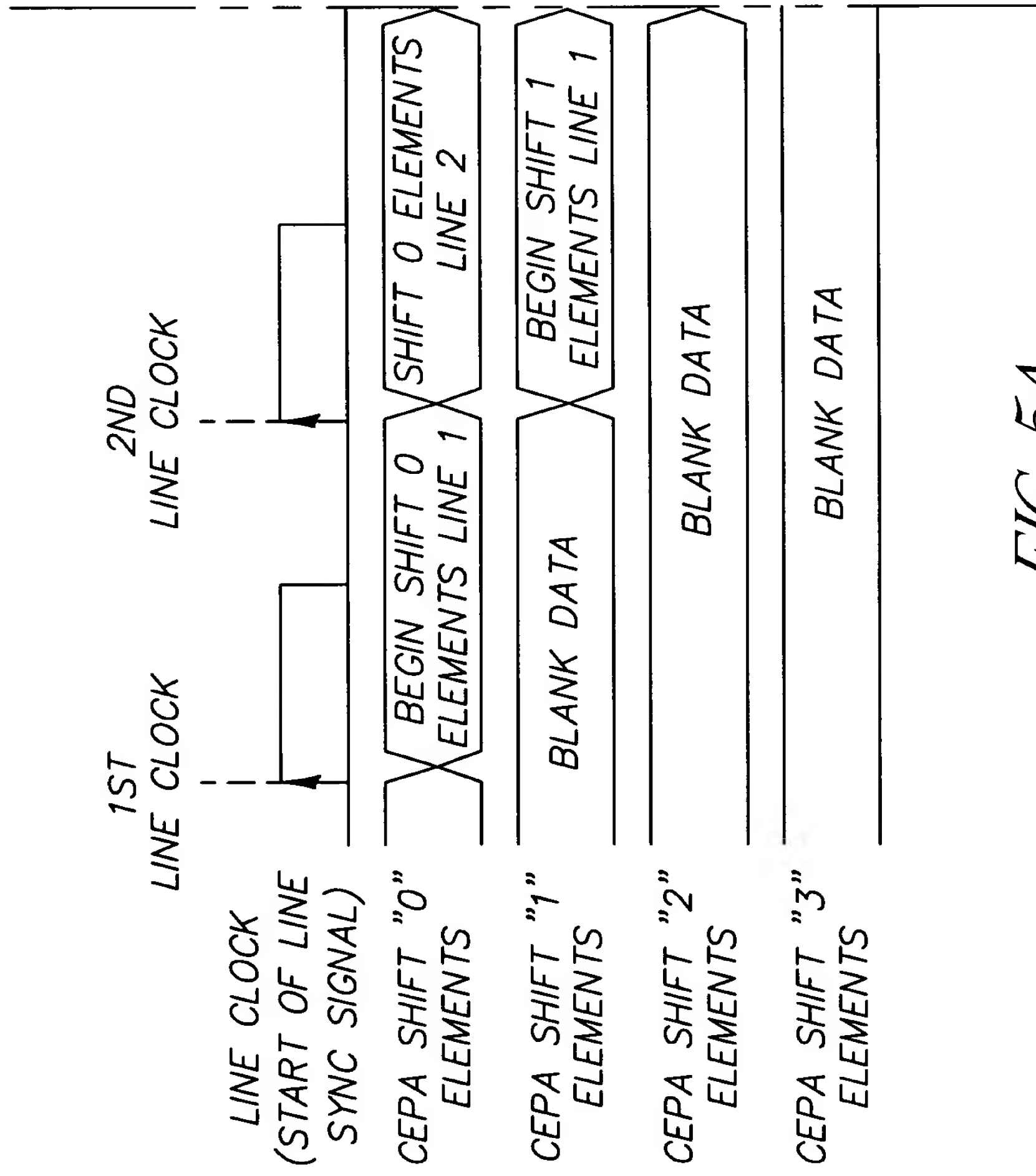


FIG. 5A

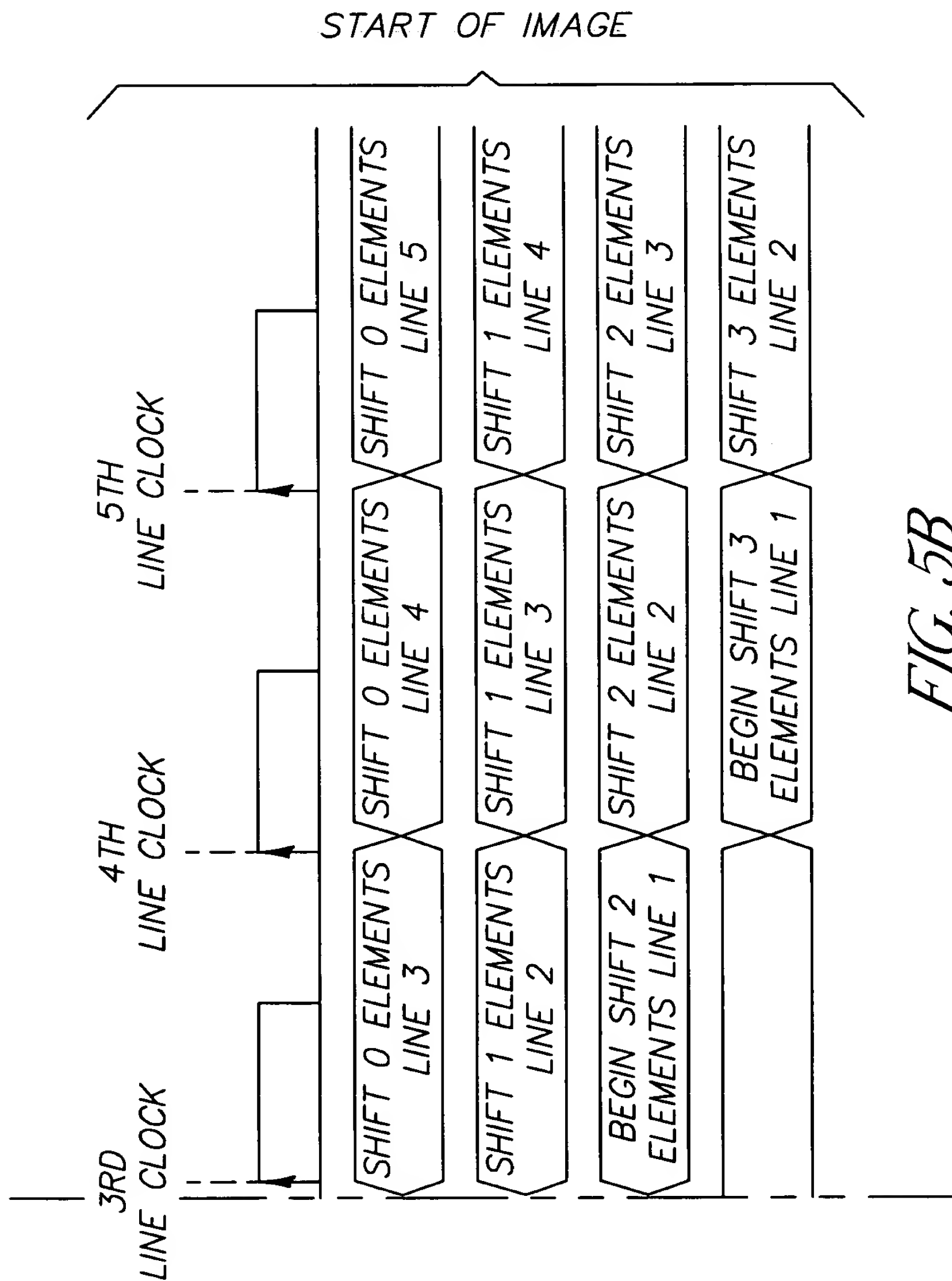


FIG. 5B

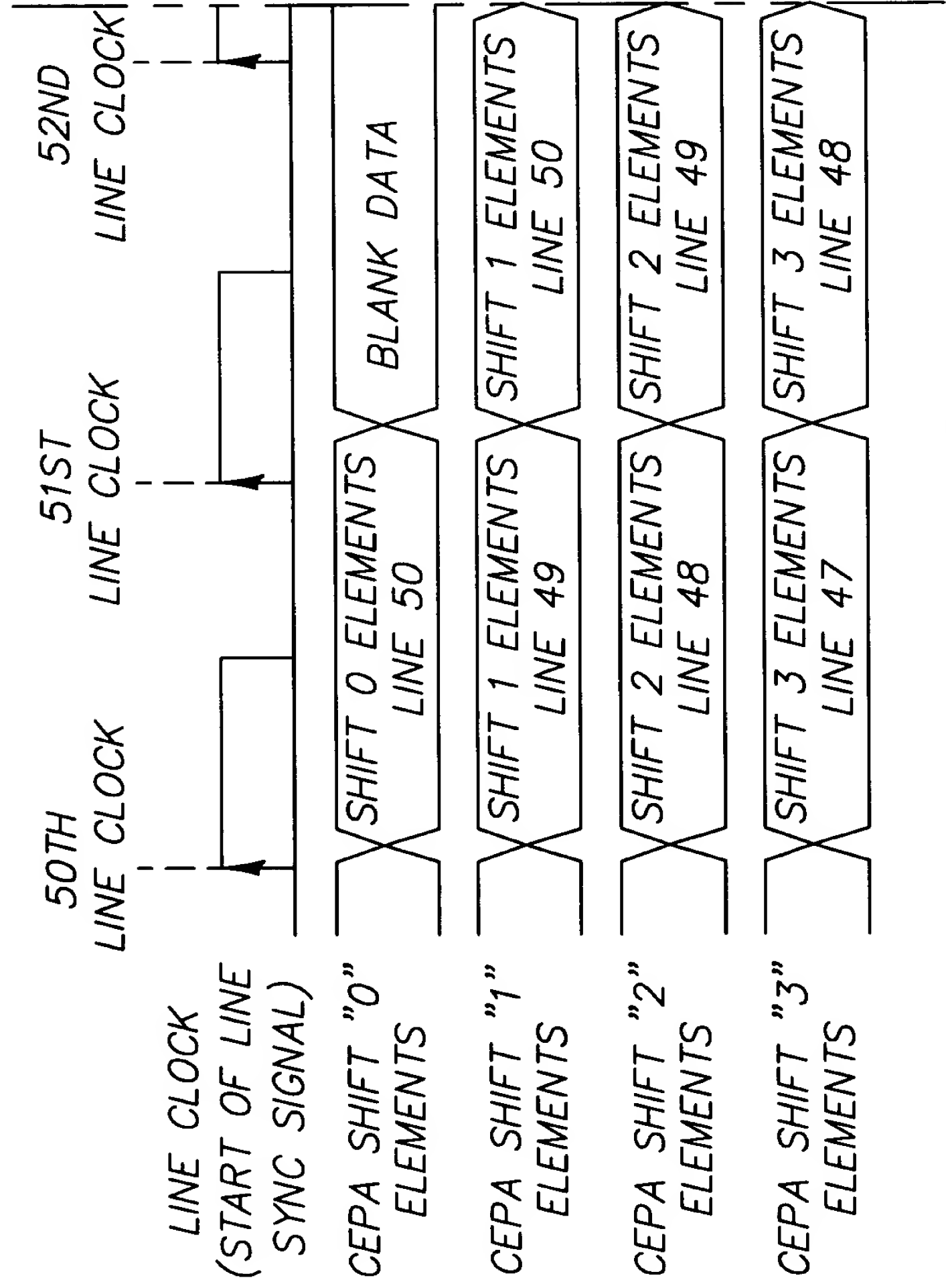


FIG. 5C

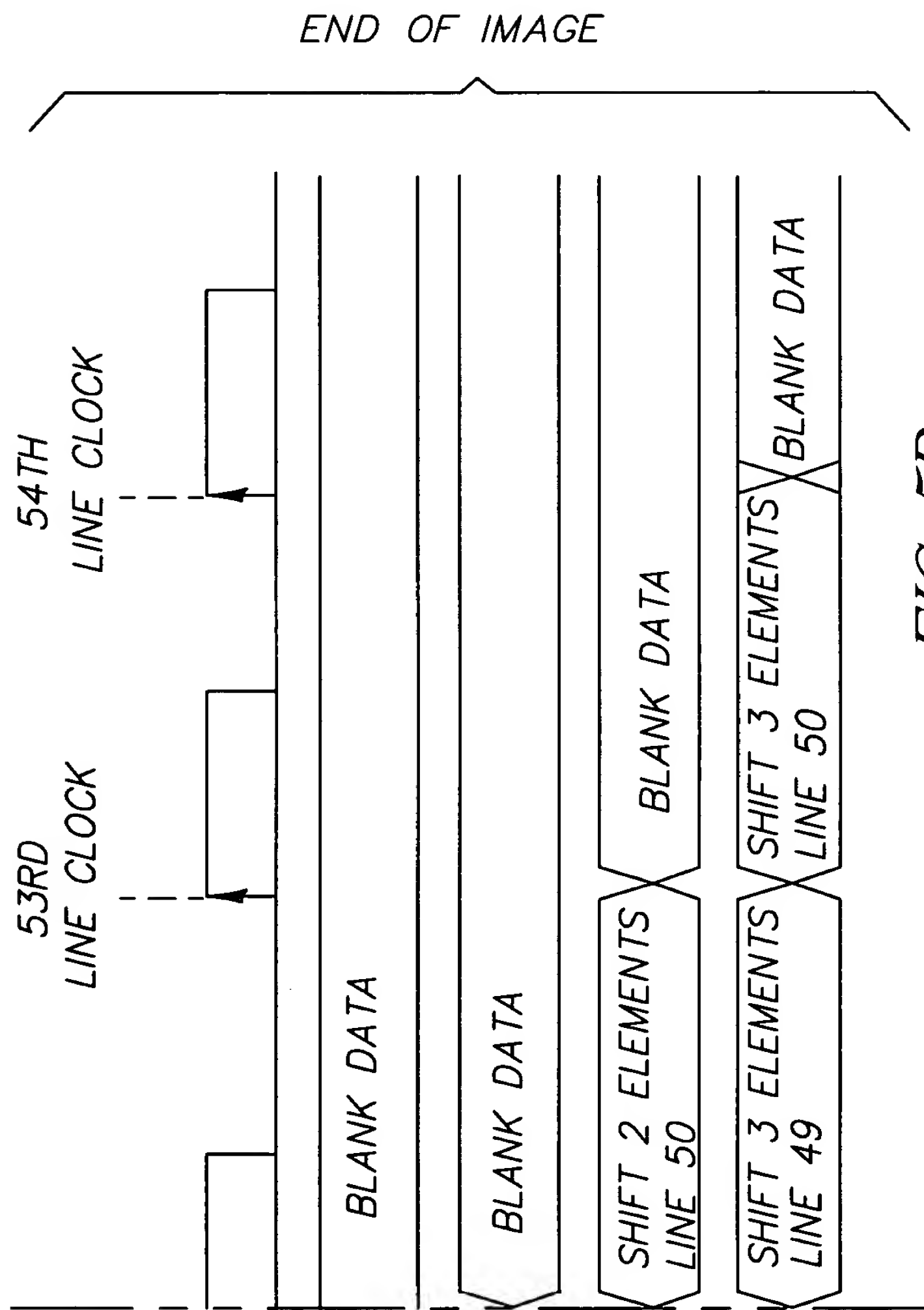


FIG. 5D

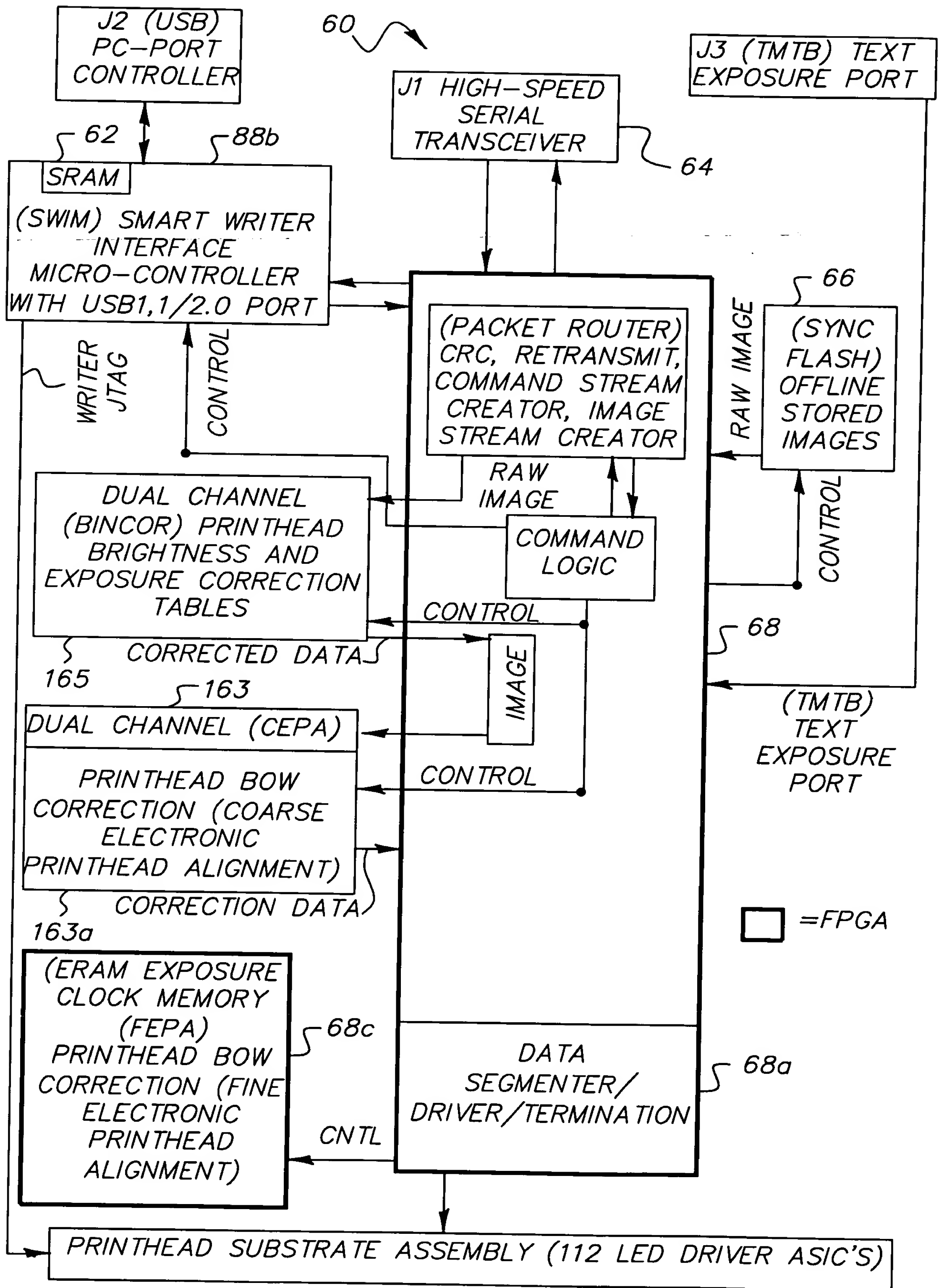
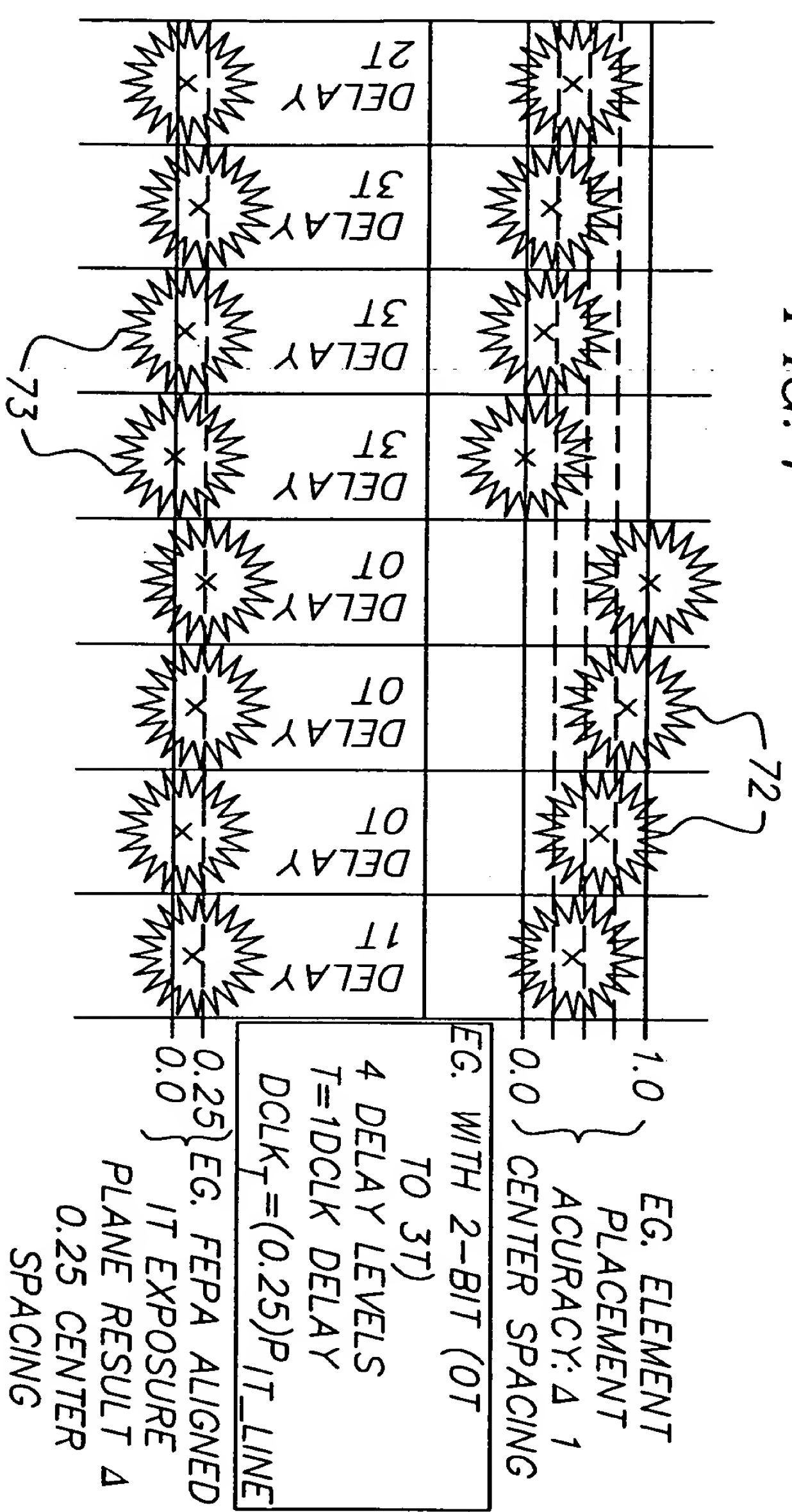


FIG. 6

FIG. 7



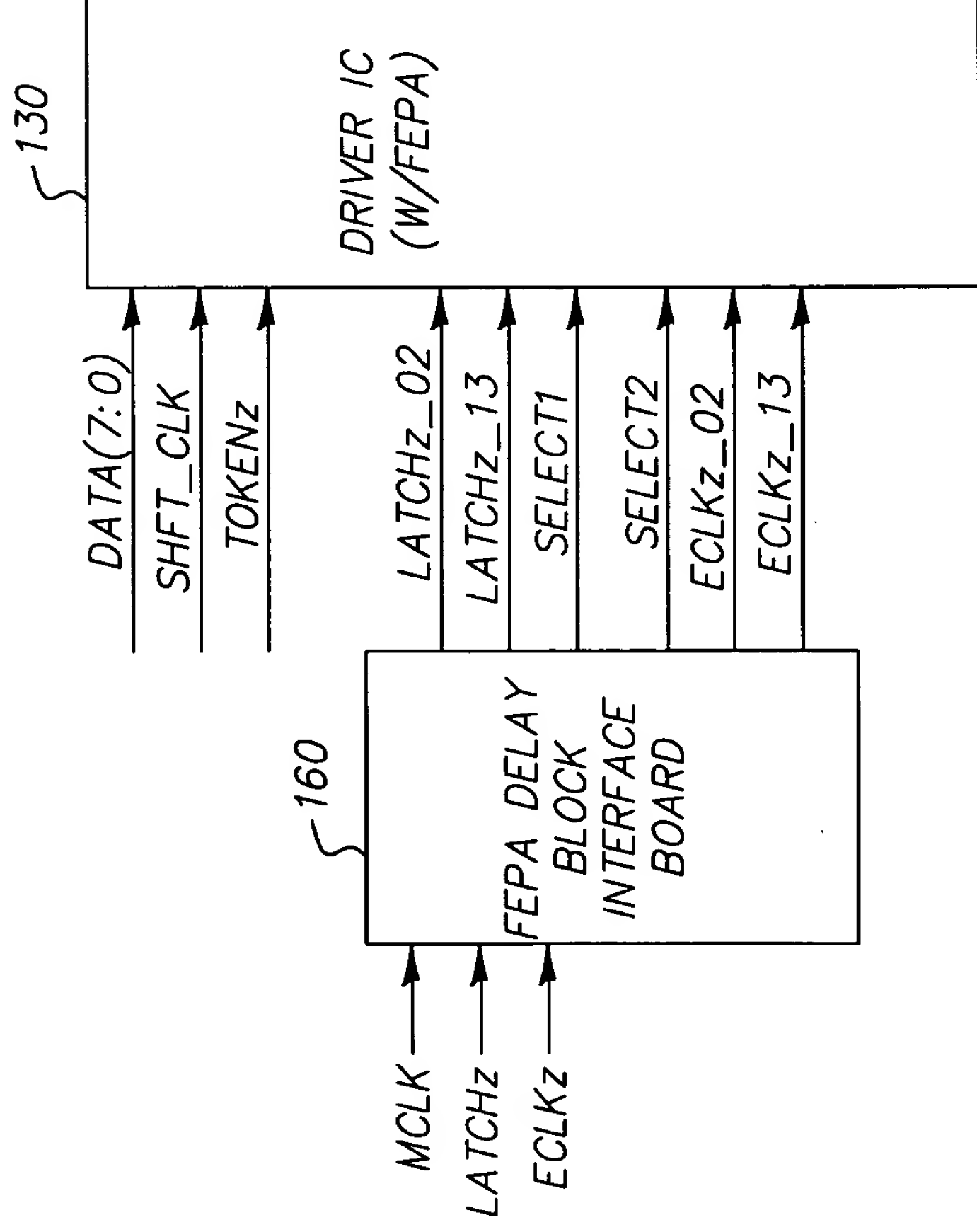


FIG. 8A

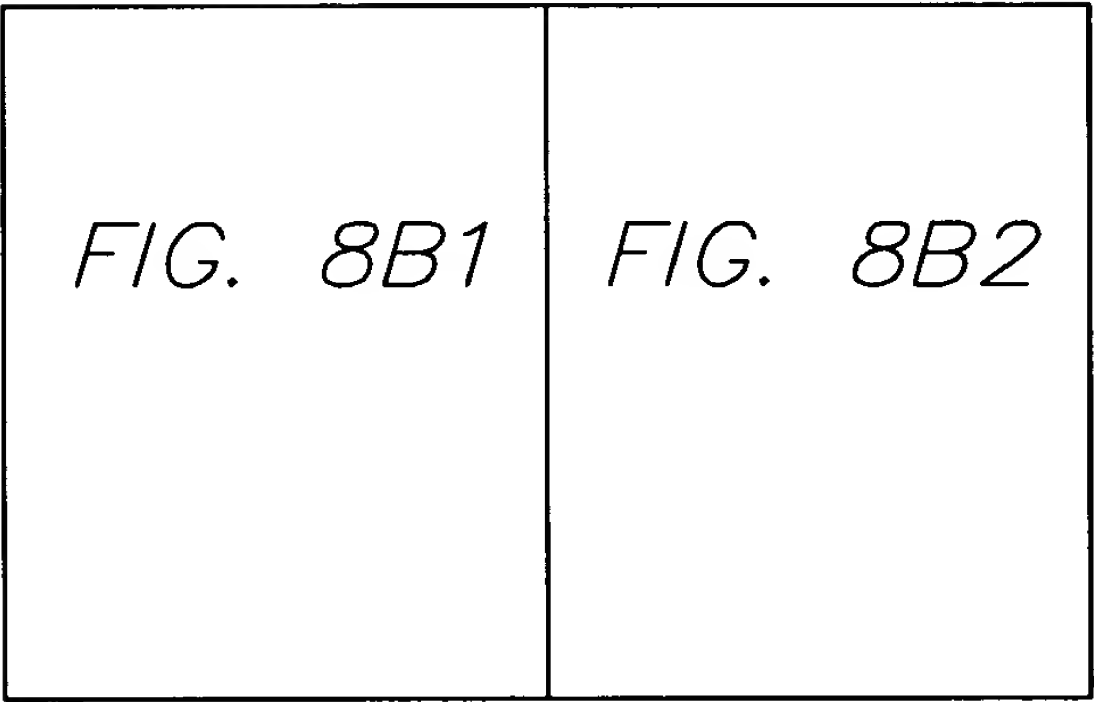


FIG. 8B

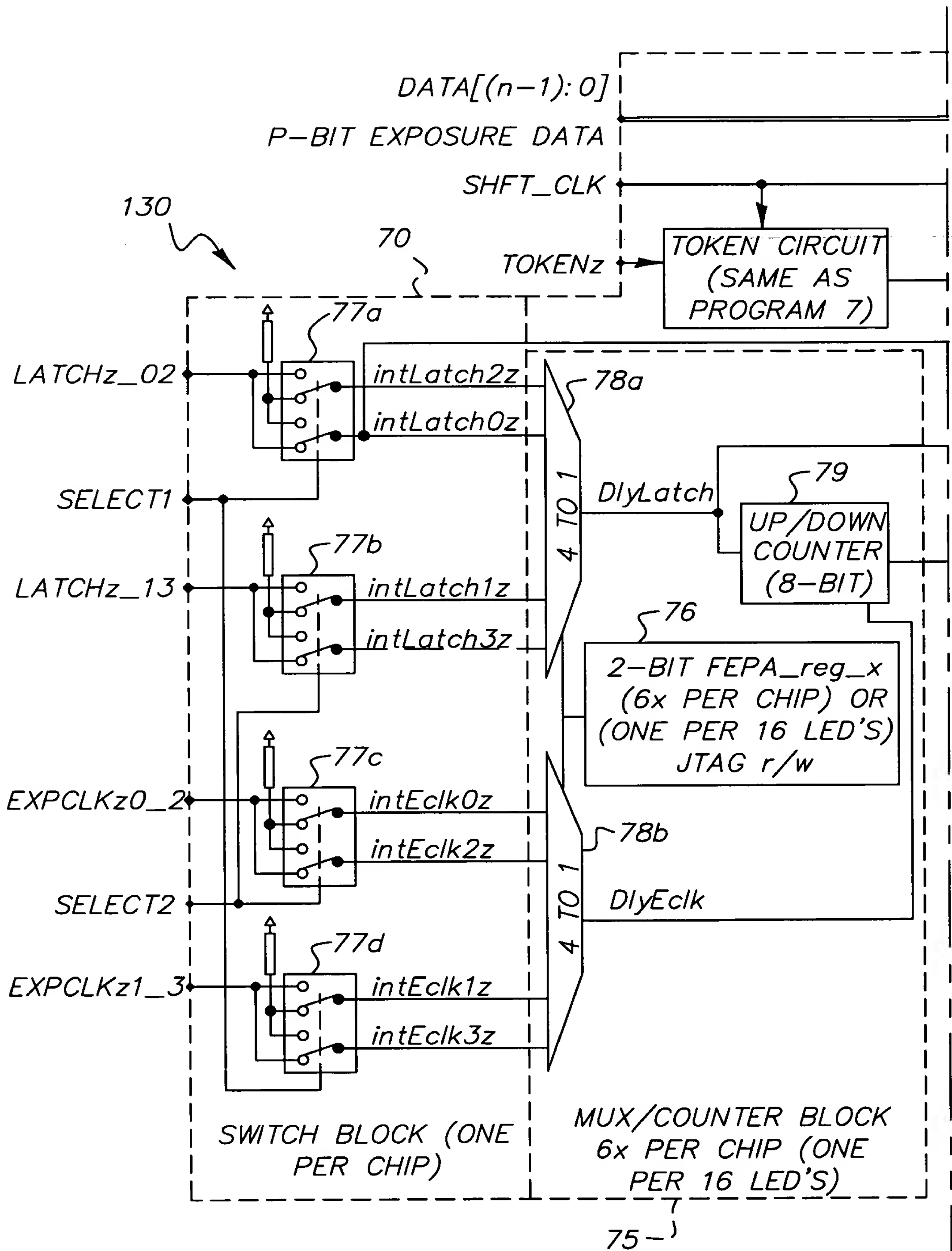


FIG. 8B1

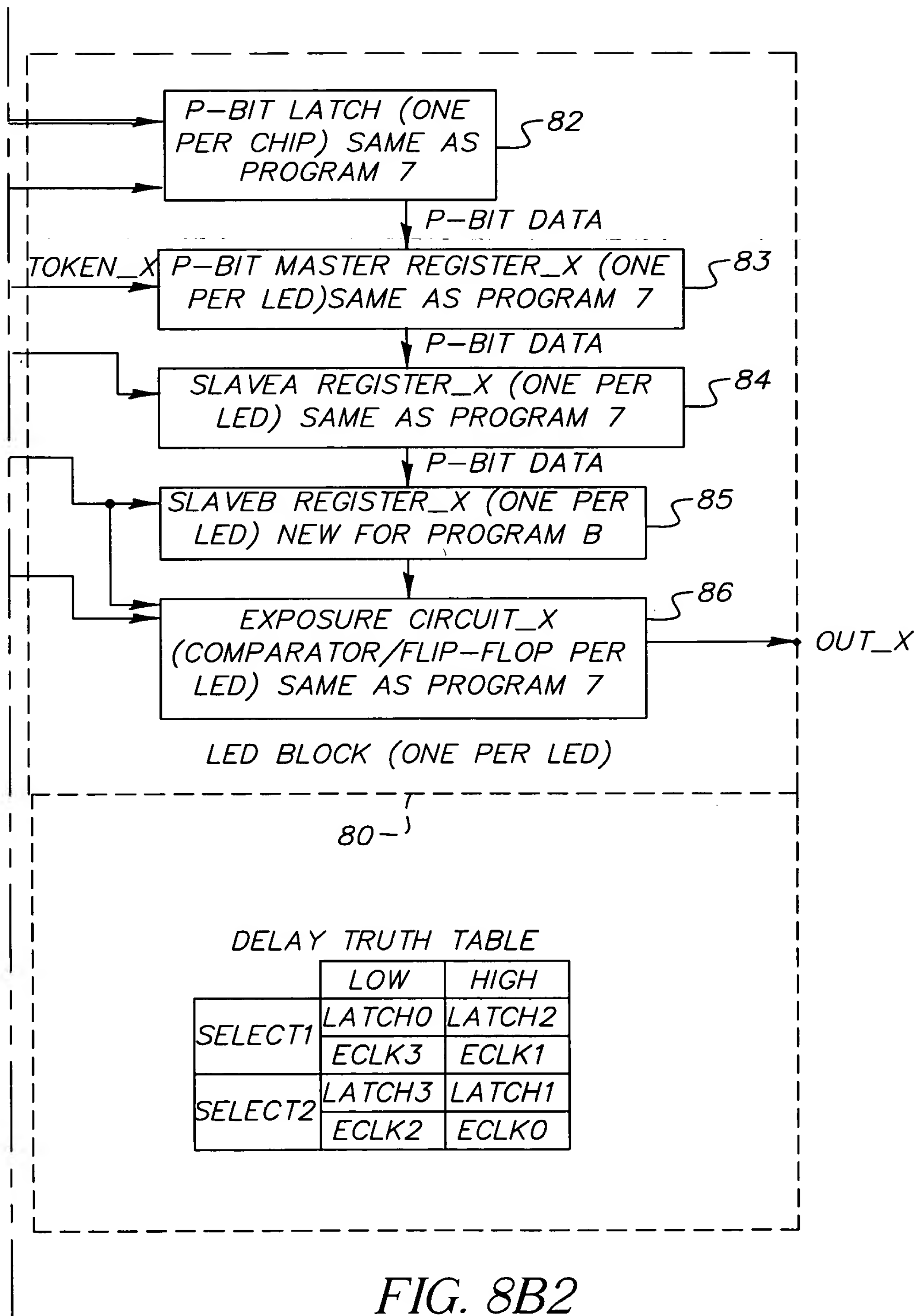


FIG. 8B2

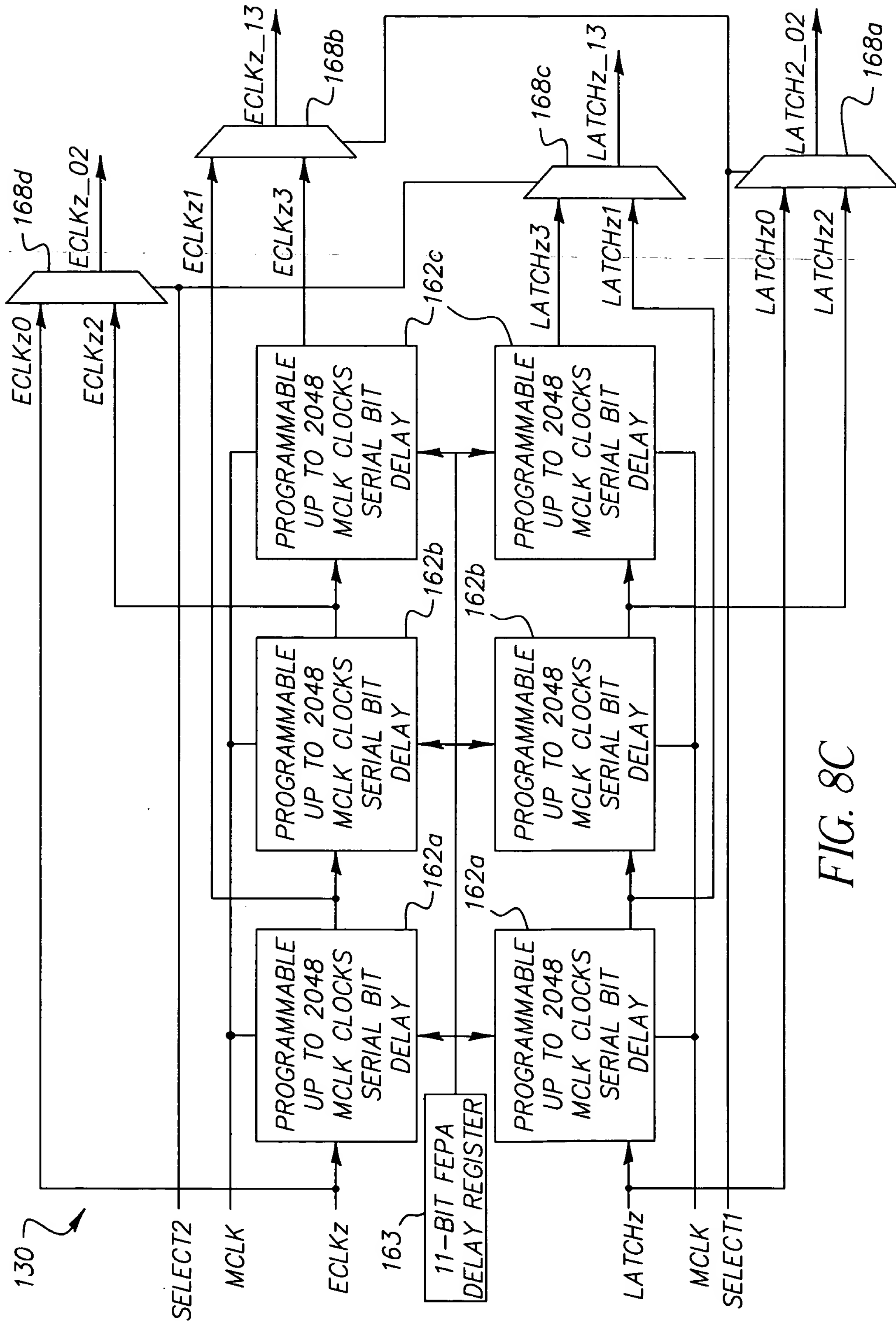


FIG. 8C

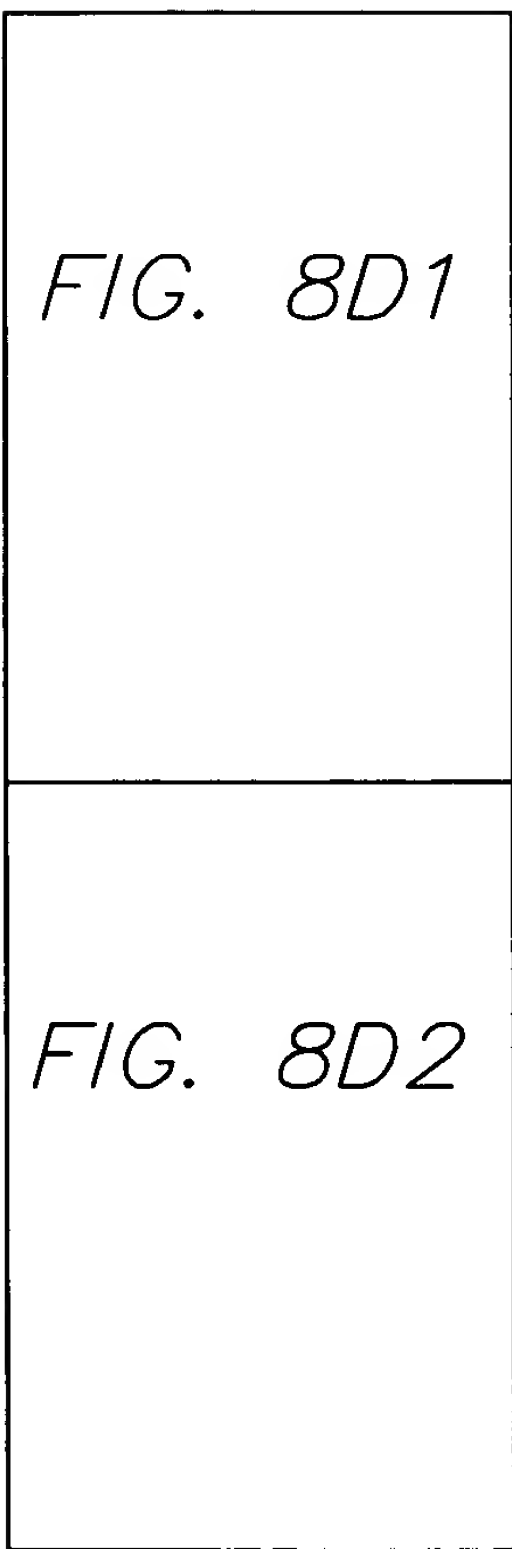


FIG. 8D

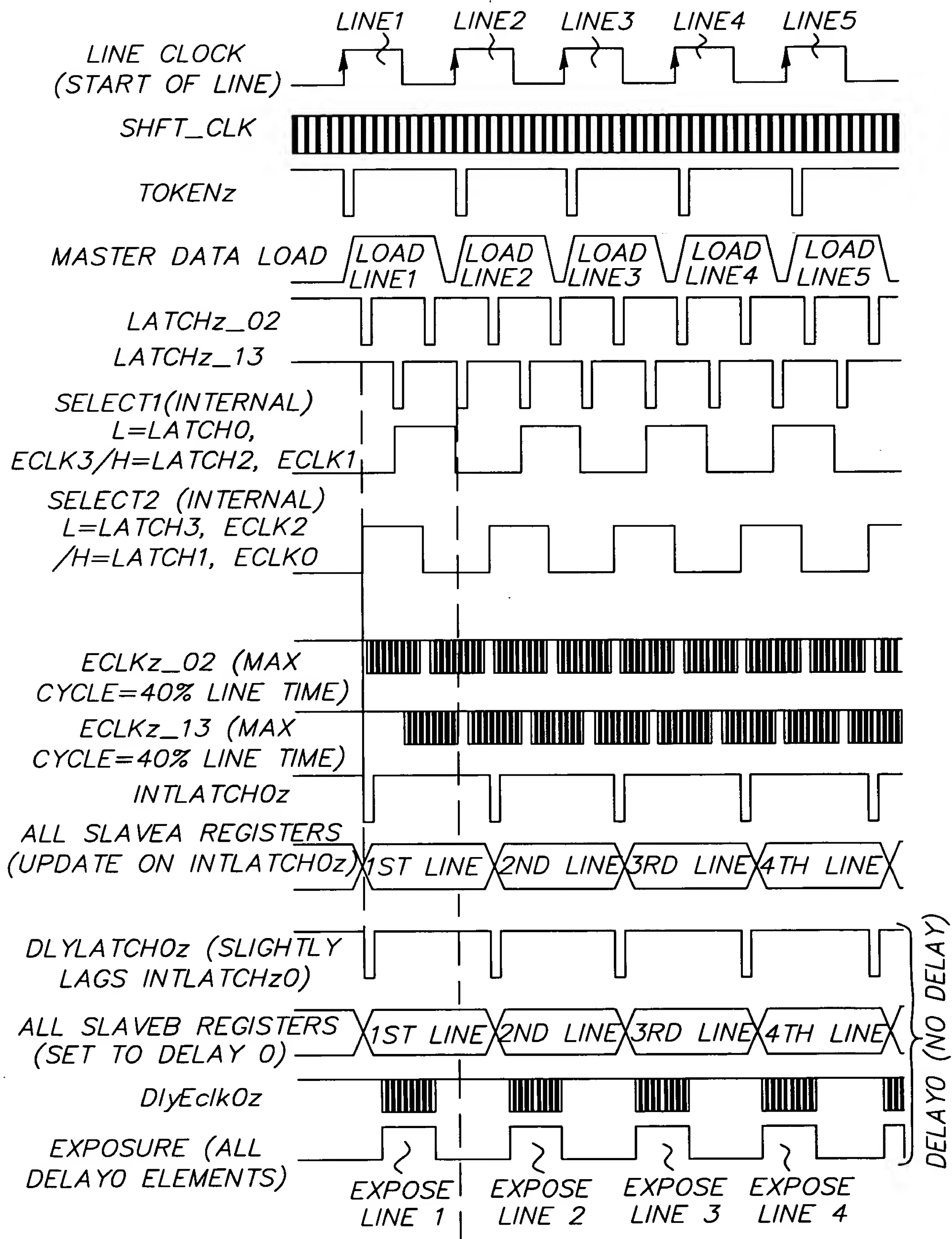


FIG. 8D1

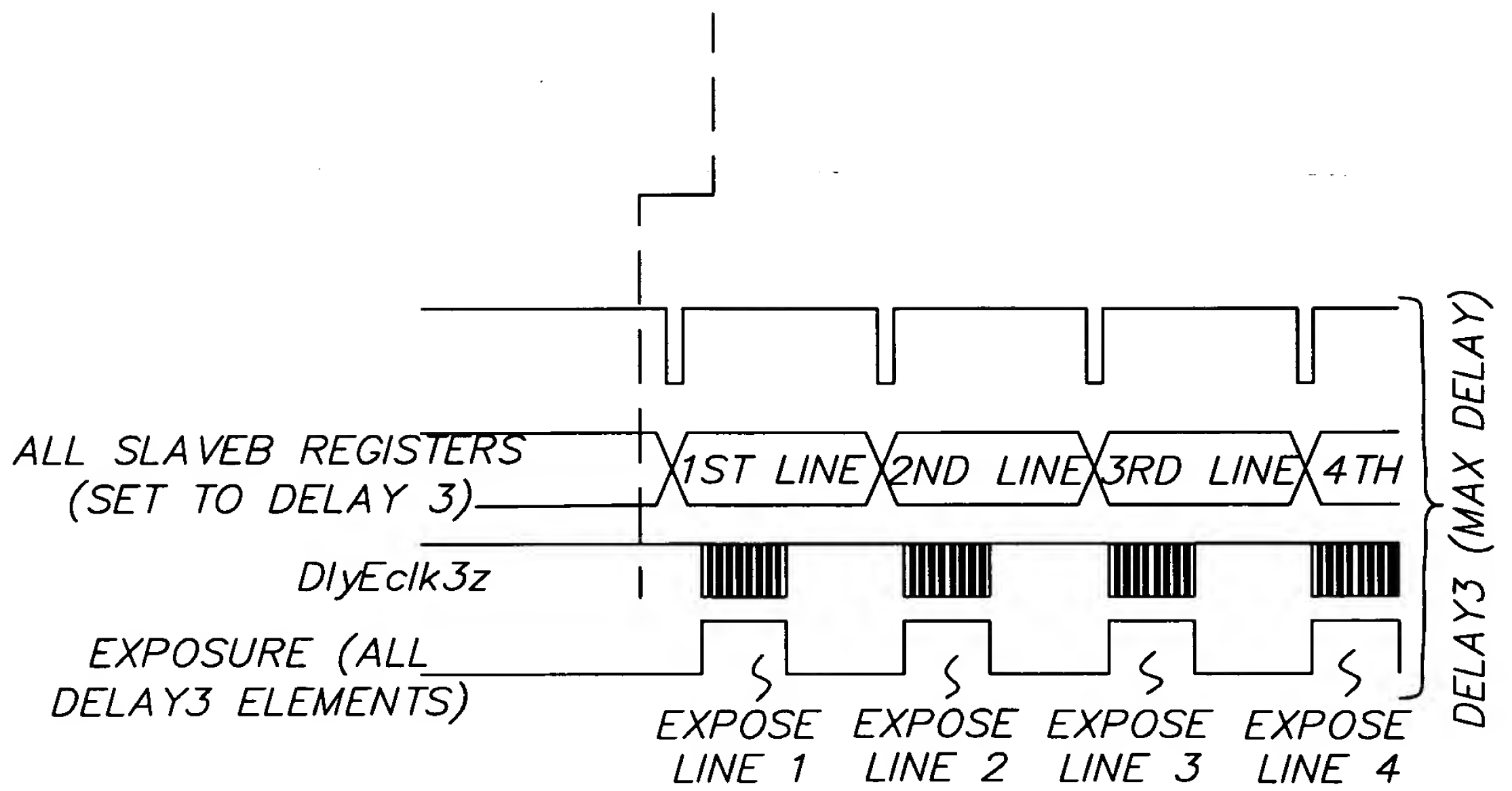


FIG. 8D2

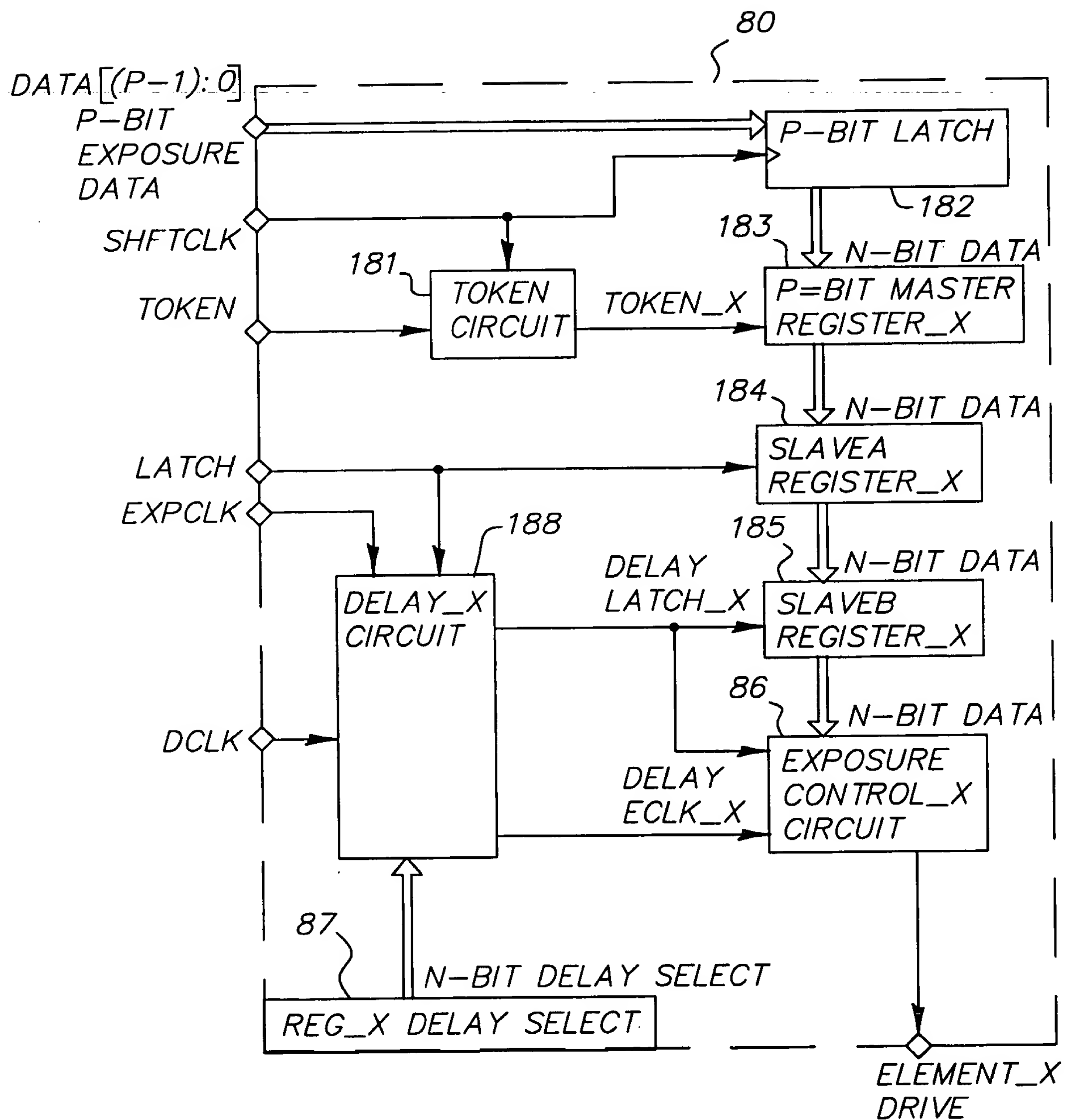


FIG. 9A

FIG. 9B1

FIG. 9B2

FIG. 9B

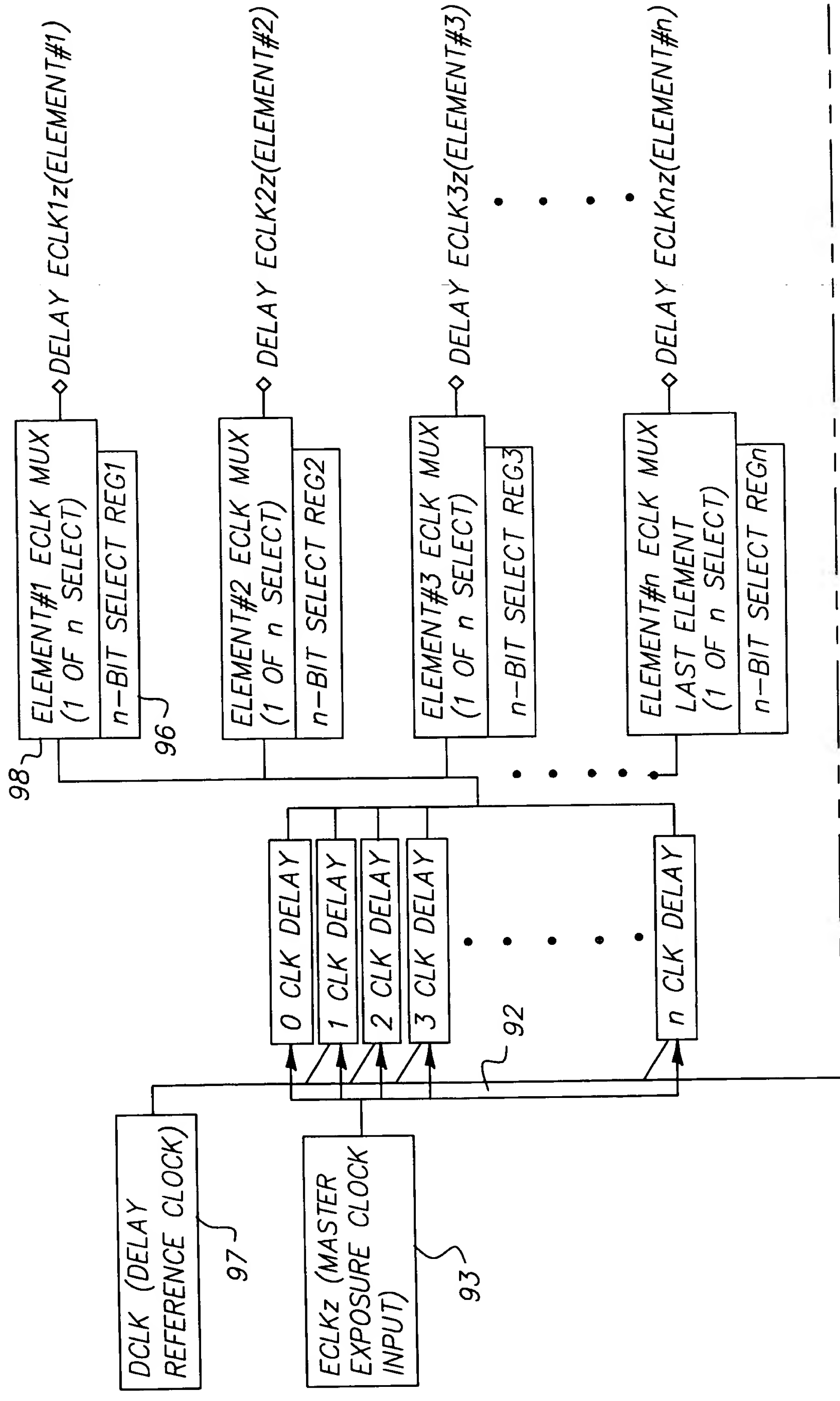


FIG. 9B1

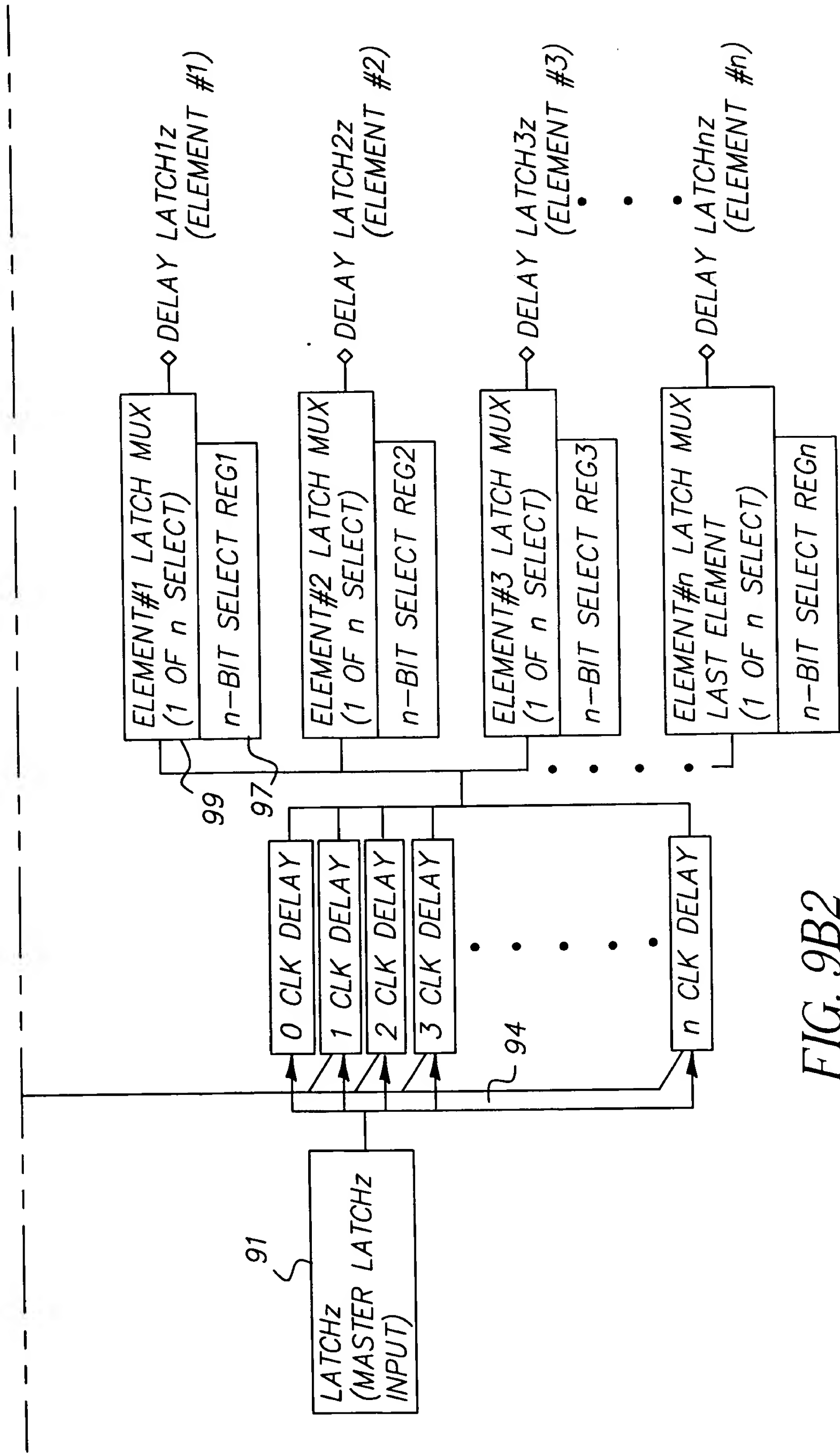


FIG. 9B2

FIG. 10A

FIG. 10B

FIG. 10

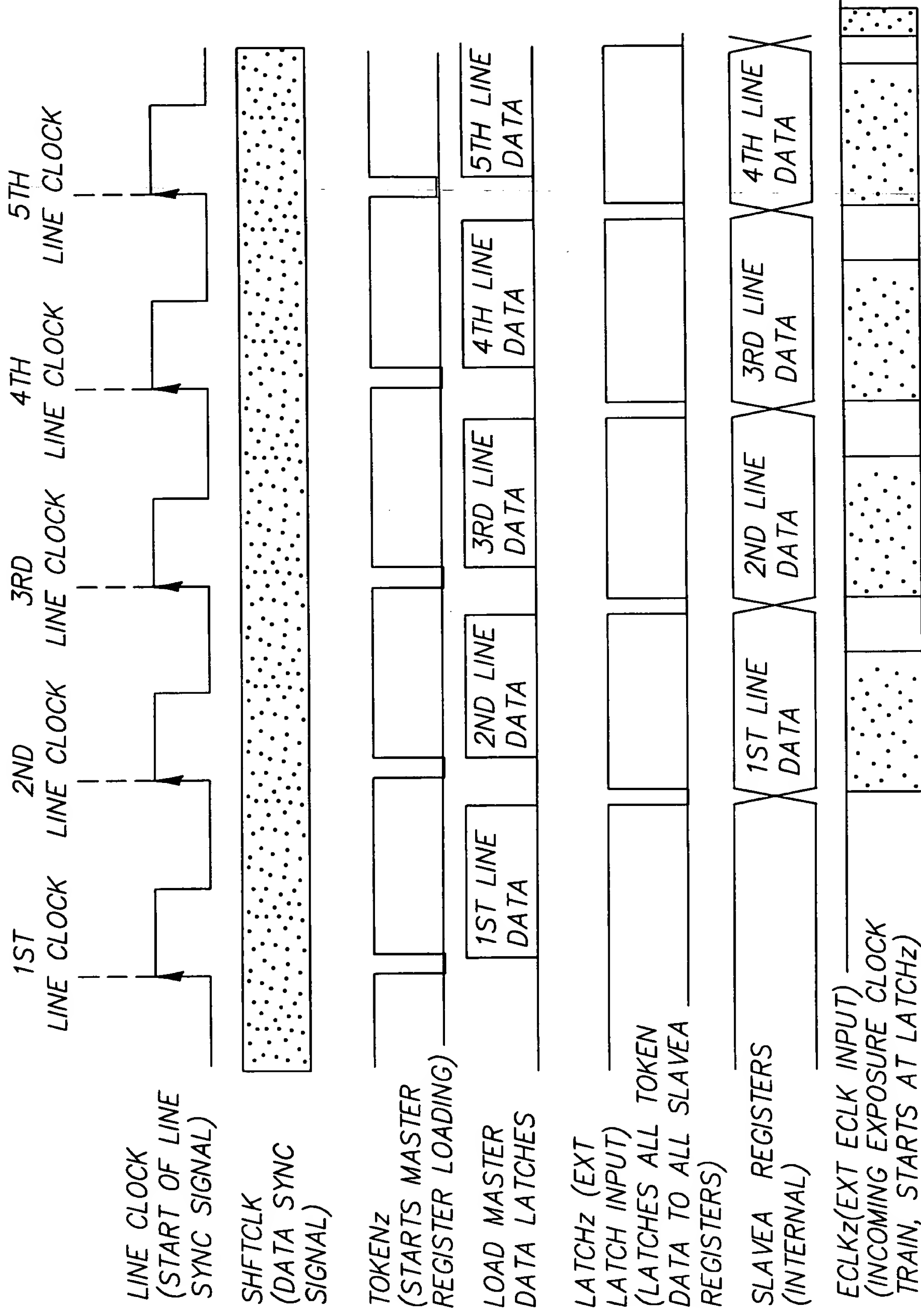


FIG. 10A

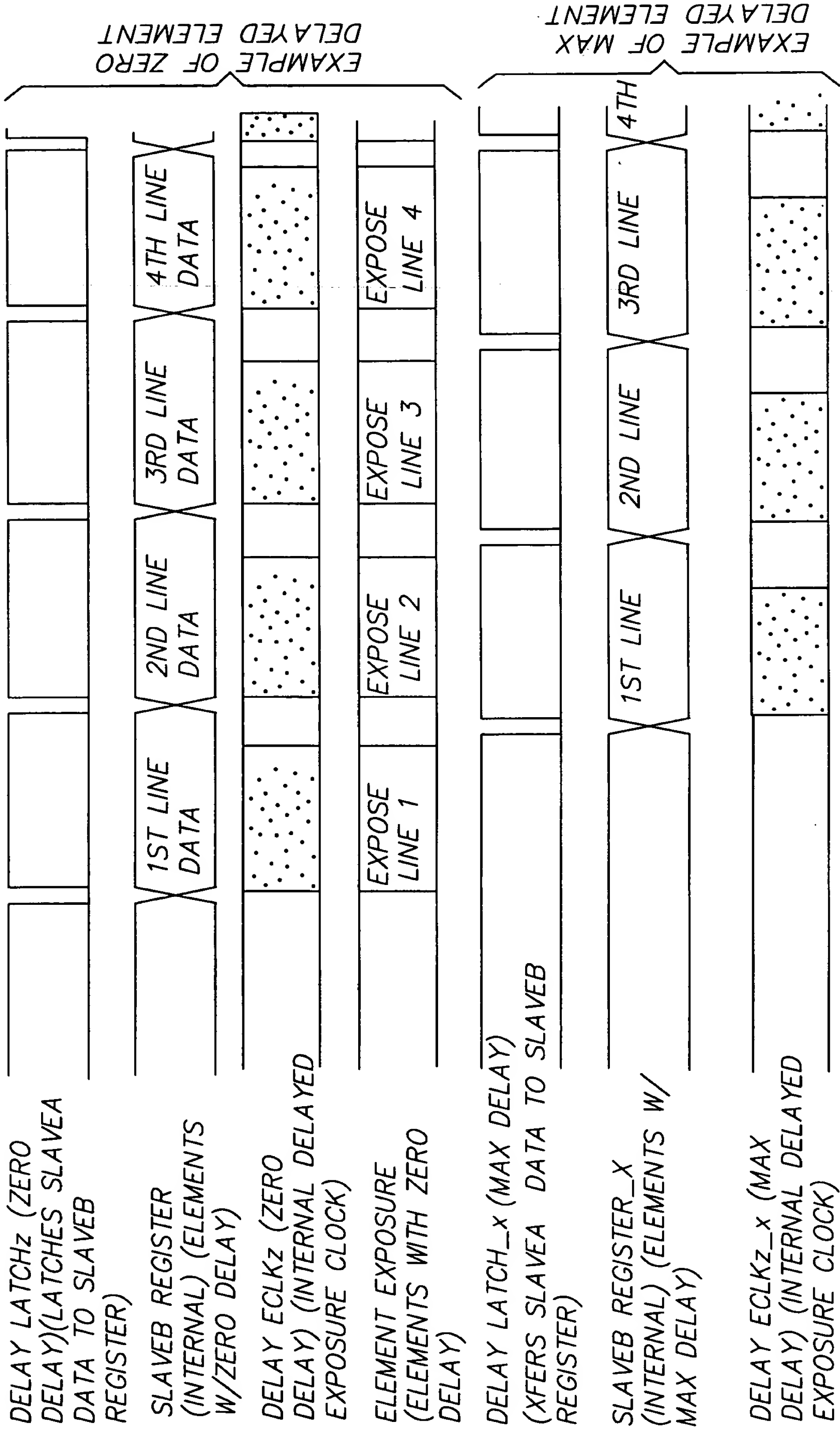


FIG. 10B

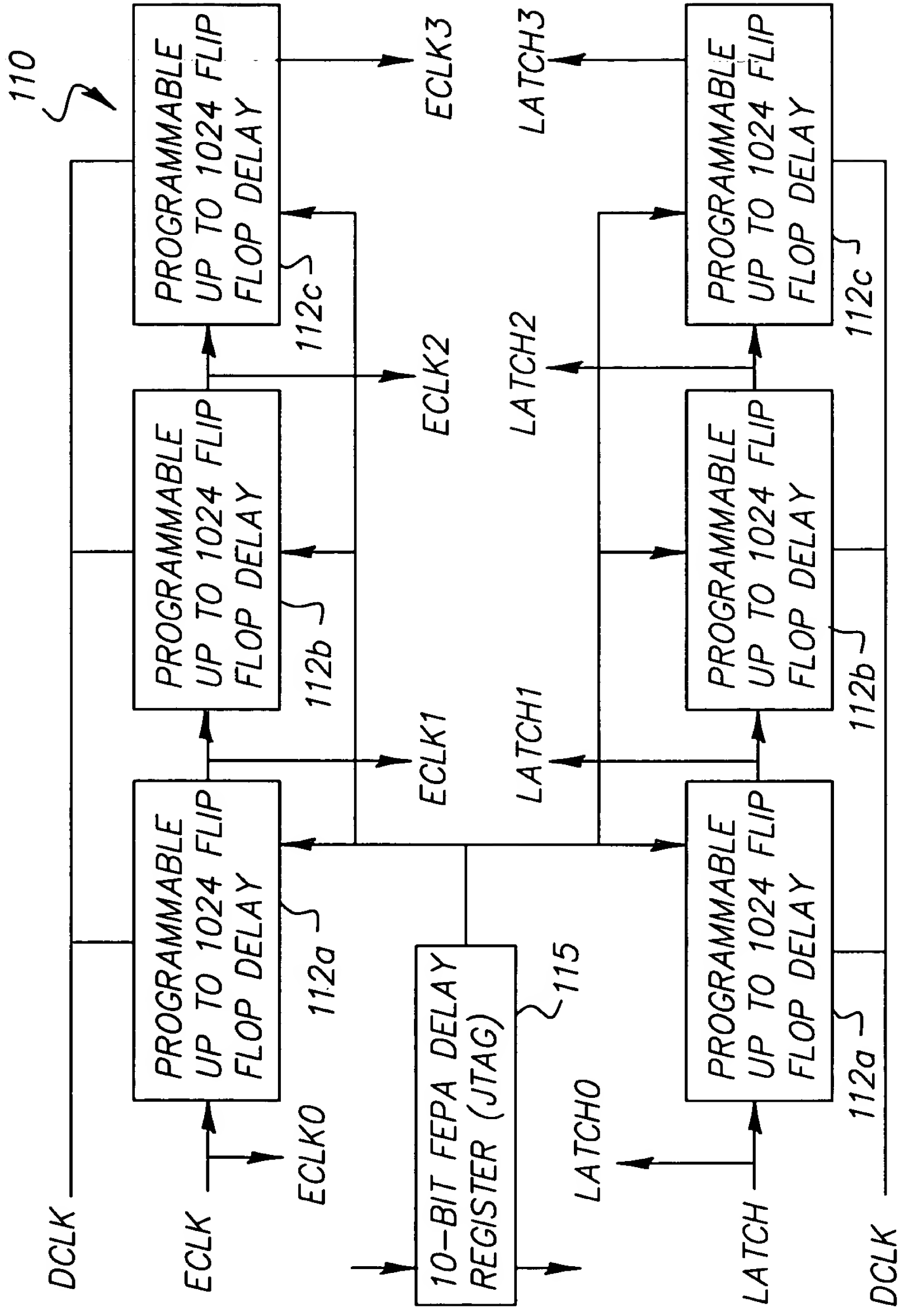


FIG. 11

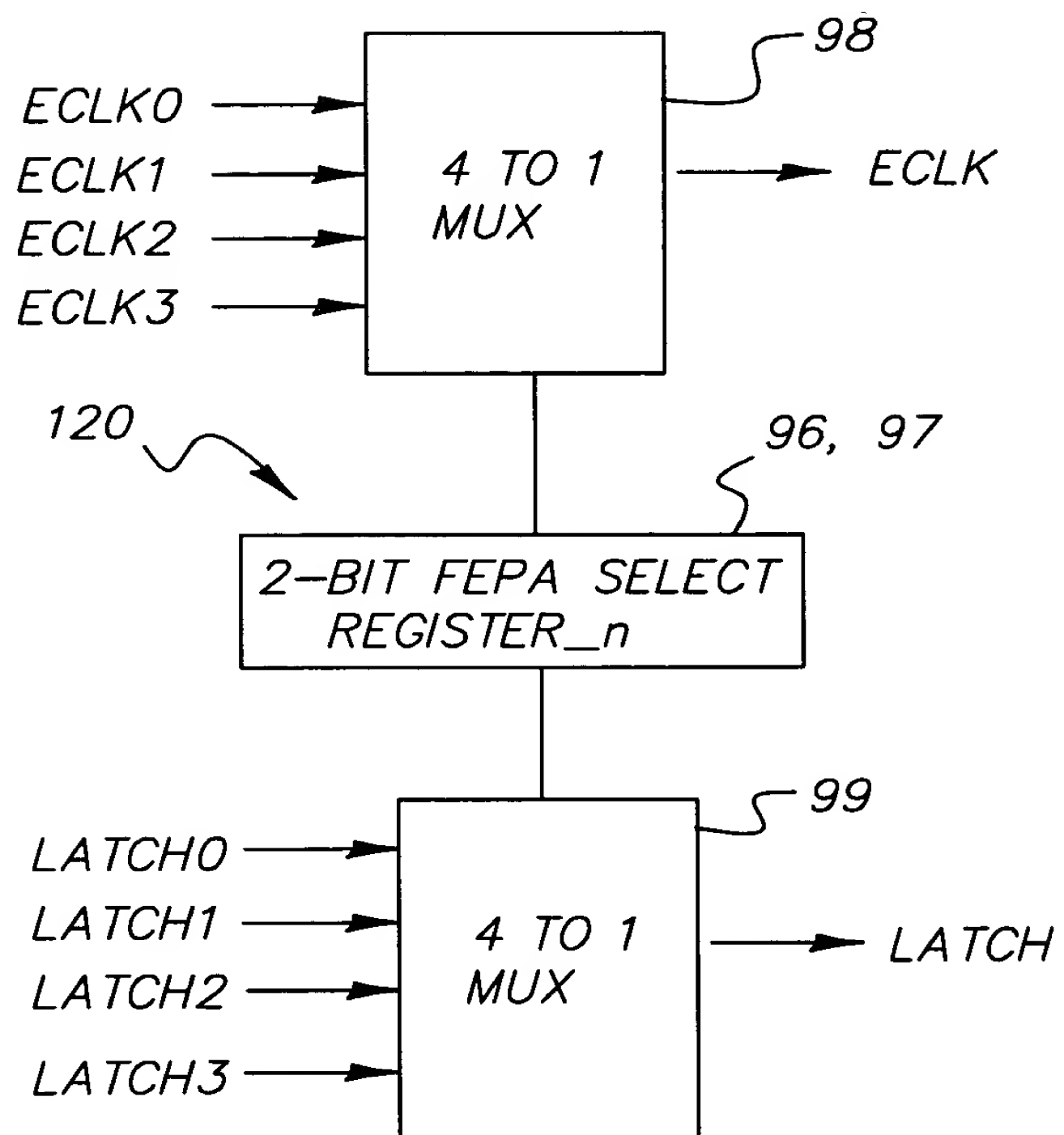


FIG. 12

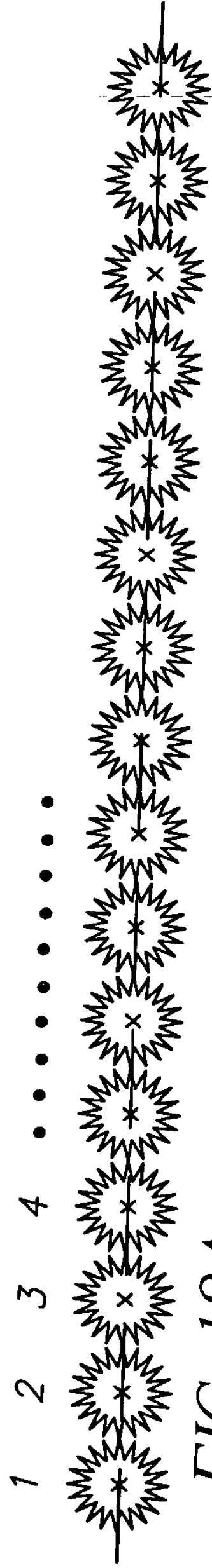


FIG. 13A

ODD AND EVEN SHIFTED SAME

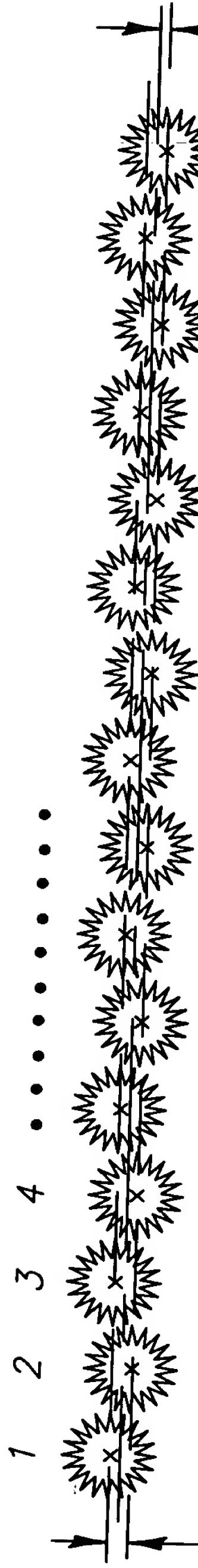


FIG. 13B

ODD'S ONLY SHIFTED + 1/4 DELTA PRODUCING
+1/8 AVERAGE SHIFT APPEARANCE

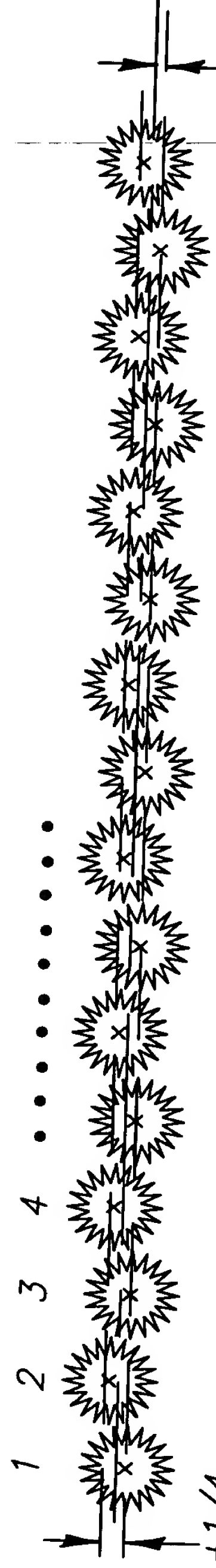


FIG. 13C

EVEN'S ONLY SHIFTED + 1/4 PRODUCING
+1/8 AVERAGE SHIFT APPEARANCE

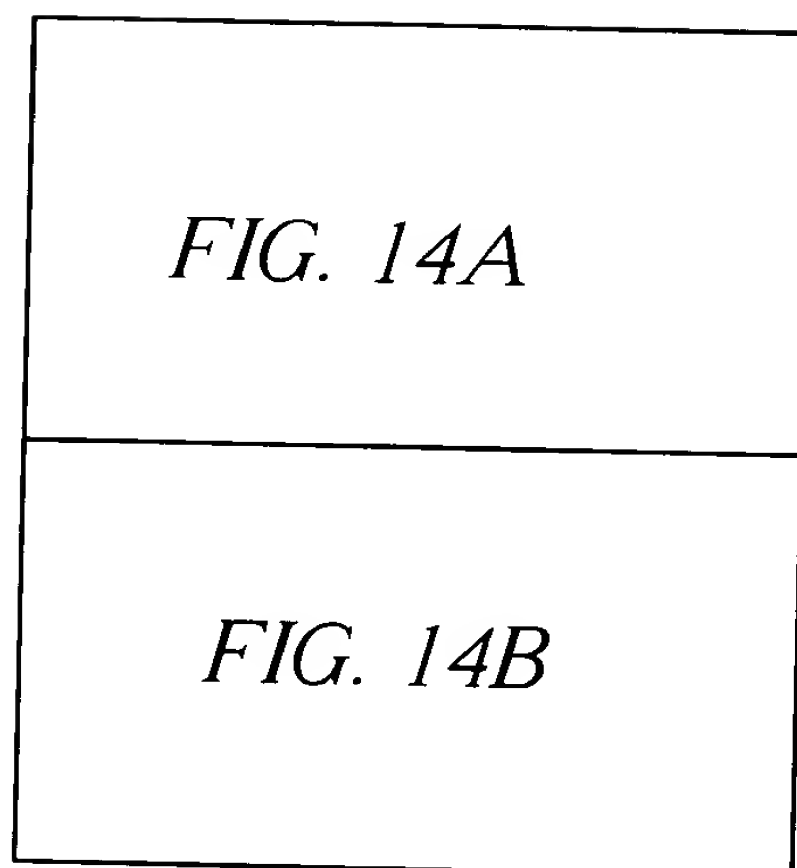


FIG. 14

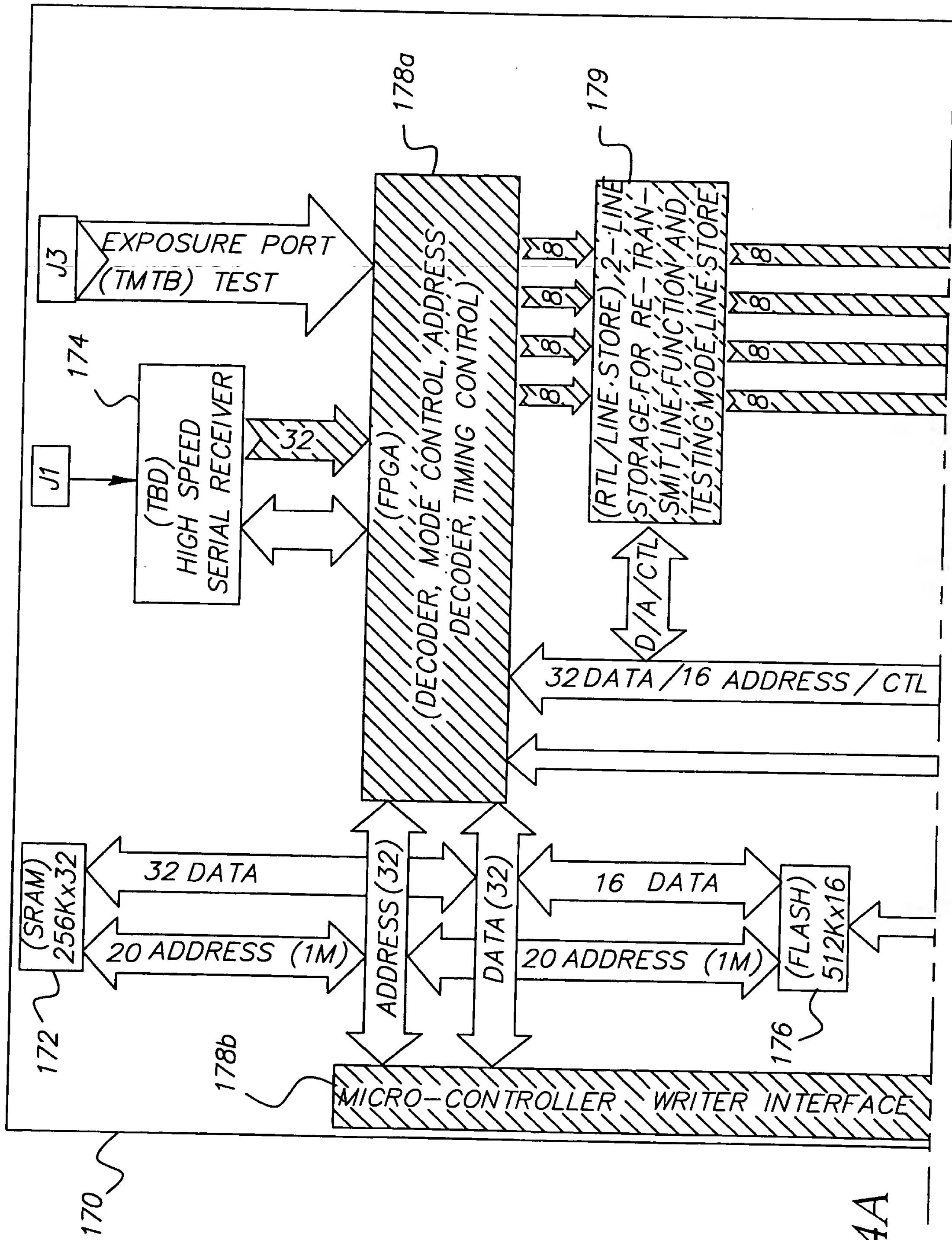


FIG. 14A

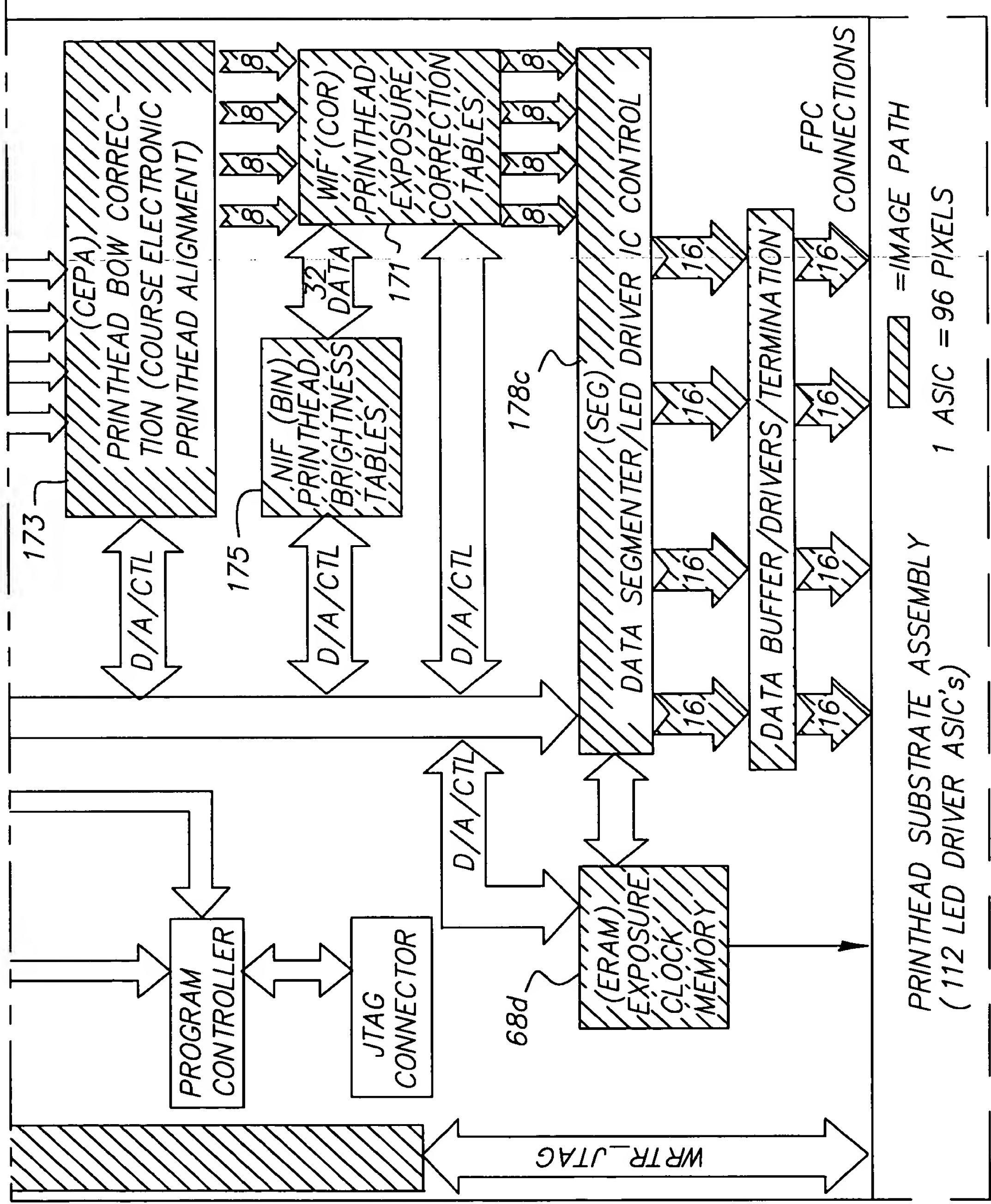


FIG. 14B